Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 550

BARBER TOWNSHIP

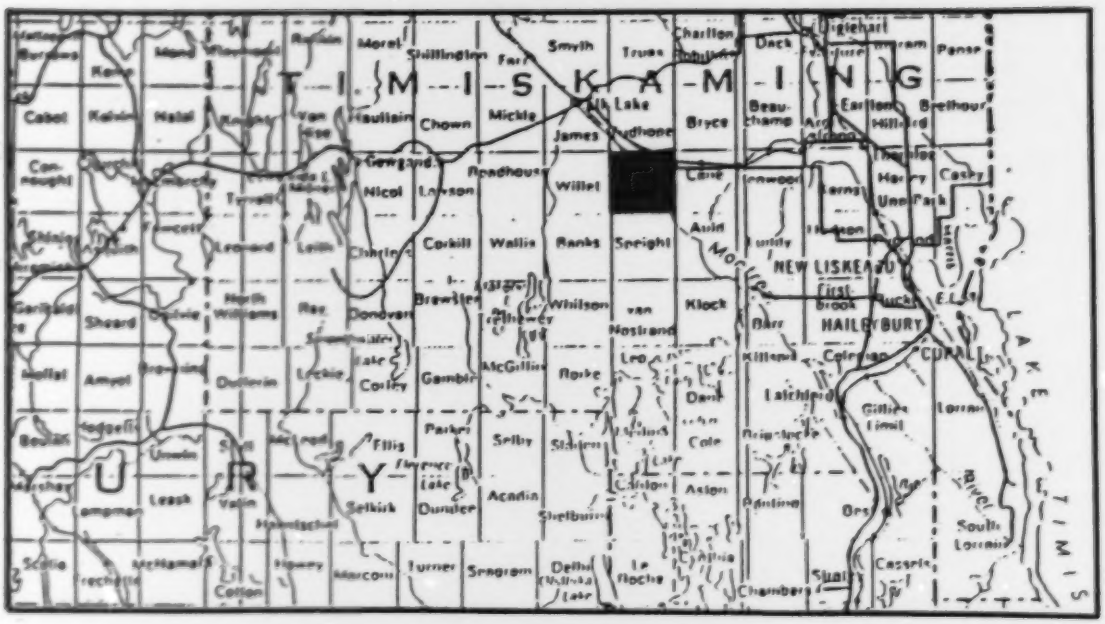
LARDER LAKE MINING DIVISION

NTS No. 41P/9

Compiled by the staff of

the Resident Geologist's Office

COBALT



LOCATION MAP

CANADA ONTARIO Mineral Development Agreement

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-04562/

Mining Claim Map Number

This project was funded under the Canada Ontario Mineral Development Agreement (COMDA), 1985-1990.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Barber Township, Geological Data Inventory Folio 550 ; compiled by the staff of the Resident Geologist's office, Cobalt.

Original Compilation by: Anderson, Patricia, January 1990.

Date	Page(s) Revised	Revised by
*		

Date	Page(s) Revised	Revised by

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ACCOMPANYING MAPS (see map legends on outside back cover).

A. Files Index Map (s) ..... Map A-1

B. Exploration Data Map (s) ..... Map B-1

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept. (A.R.)	Annual Report
A.R.I.P	Aggregate Resources Inventory Paper
Bull	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull.	Geological Society of American Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
MP	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines/Ontario Division of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
OGS	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
SOEGTS	Southern Ontario Engineering Geology Terrain Study
Sum. Rept.	Summary Report

*

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no': if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	No	D.P.A.
3	OGS/ODM General Index	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	No	D.P.A.
13	Source Mineral Deposit Records (OGS)	No	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	ODM/OGS Miscellaneous Papers	No	D.P.A.
16	ODM Geological Circulars	No	D.P.A.
17	OGS Study Series	Yes	D.P.A.
18	ODM Preliminary Reports	No	D.P.A.
19	ODM Bulletins	Yes	D.P.A.
20	ODM/OGS Open File Reports	Yes	D.P.A.
21	OGS Northern/Southern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
22	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
23	OGS Mineral Potential Maps	No	D.P.A.
24	Drill Core Library Catalogue	No	D.P.A.
25	Theses on File, Cobalt	No	D.P.A.
26	Aerial Photographs on File, Cobalt	Yes	D.P.A.
*			

MINERAL COMMODITIES REFERENCE LIST

anh ..... Anhydrite	gl ..... Gravel	ra ..... Radioactive minerals	ADDITIONS
ank ..... Ankerite	gyp ..... Gypsum	RE ..... Rare Earths	
ap ..... Apatite	hem ..... Hematite	sd ..... Sand	
arg ..... Argentite	Fe ..... Iron	sgl ..... Sand and gravel	
As ..... Arsenic	IF ..... Iron Formation	ss ..... Sandstone	
asp ..... Arsenopyrite	jas ..... Jasper	scap ..... Scapolite	
asb ..... Asbestos	ky ..... Kyanite	shee ..... Scheelite	
ba ..... Barite	Pb ..... Lead	serp ..... Serpentine	
be ..... Beryl	lim ..... Limonite	sh ..... Shale	
Bi ..... Bismuth	Li ..... Lithium	sid ..... Siderite	
bn ..... Bornite	mgst ..... Magnesite	si ..... Silica	
Cd ..... Cadmium	mag ..... Magnetite	Ag ..... Silver	
calc ..... Calcite	mc ..... Malachite	sl ..... Slate	
carb ..... Carbonate	Mn ..... Manganese	sm ..... Smaltite	
cc ..... Chalcocite	mb ..... Marble	sod ..... Sodalite	
cp ..... Chalcopyrite	mar ..... Marcasite	spec ..... Specularite	
ch ..... Chert	ma ..... Marl	sp ..... Sphalerite	
clay ..... Clay	mi ..... Mica	spd ..... Spodumene	
Co ..... Cobalt	mo ..... Molybdenite	s ..... Sulphides	
cob ..... Cobaltite	Mo ..... Molybdenum	talc ..... Talc	
Cu ..... Copper	mon ..... Monazite	Te ..... Tellurium	
cor ..... Corundum	ne .... Nephelite (nepheline)	th ..... Thorite	
dol ..... Dolomite	Ni ..... Nickel	Th ..... Thorium	
ep ..... Epidote	Nb ..... Niobium	ti ..... Titanite	
fel ..... Feldspar	Pd ..... Palladium	Ti ..... Titanium	
fl ..... Fluorite (flurospar)	pent ..... Pentlandite	tour ..... Tourmaline	
fu ..... Fuchsite	Pt ..... Platinum	W ..... Tungsten	
gn ..... Galena	py ..... Pyrite	uran ..... Uraninite	
gt ..... Garnet	pyl ..... Pyrochlore	U ..... Uranium	*
goe ..... Goethite	po ..... Pyrrhotite	verm ..... Vermiculite	
Au ..... Gold	q ..... Quartz	Zn ..... Zinc	
gf ..... Graphite	qcv .. Quartz carbonate vein	zr ..... Zircon	

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done, e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
1	Accra Explorations Ltd., Barnet Silver Mine, Barber & Willet Tps.	64			64 63	64	63	63 64 62				64						

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done. e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Accra Explorations Ltd.	64-1	1964	180	-45	8	148		Ag
2	Accra Explorations Ltd.	64-2	1964	145	-45		199		

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for

● —— indicates core stored at Drill Core Library

AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map(s)	— by — for — year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

BARBER TOWNSHIP

GEOCHRONOLOGY DATA – AGE DATING

Site No on Map	Method	Material	Reference	Result

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologists Office:

(a) Aerial Photographs: 1" = 1/4 mile, black and white, 1946

(b) Photomosaics:

(c) Satellite Imagery:

LANDSAT COLOUR PHOTO - NTS 31/M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C_1	136/10

on file in Cobalt Office

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:50 000		Elk Lake, Ontario, NTS 41P/9	Surveys & Mapping Branch, EMR
1:20 000	1982	OBM 20 17 5500 52700 20 17 5600 52700 20 17 5500 52800 20 17 5600 52800	MNR

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
			ACCRA EXPLORATIONS LTD.:
Northern Miner	Apr. 23, 1964		Accra Explorations
Northern Miner	Aug. 1, 1963		Accra Calling for Tenders for UG Drill
Northern Miner	Aug. 20, 1964		Accra Moves Drill for Timmins Test
Northern Miner	Aug. 27, 1964		Accra Expl Active on Several Properties
Northern Miner	Aug. 29, 1963		Accra Explorations
Northern Miner	Feb. 6, 1964		Accra Still Active in Elk Lake Area
Northern Miner	Jan. 9, 1964		Accra Awaits Results of Drilling Program
Northern Miner	July 23, 1964		Accra Now Drilling
Northern Miner	Mar. 19, 1964		Accra to Continue Elk Lake Program
Northern Miner	Mar. 26, 1964		Accra Explorations Gets New Claims
Northern Miner	Mar. 5, 1964		Accra Drops Option
Northern Miner	Mar. 7, 1963		Accra Explorations
Northern Miner	May 30, 1963		Accra Explorations to Sample Workings
Northern Miner	Oct. 3, 1963		Accra Explorations

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

ACCRA EXPLORATIONS LTD.
BARBER CREEK
BARBER TOWNSHIP
BIG SPRING LAKE
ELK LAKE SILVER AREA
ETWILL CREEK
LAMBLE CREEK
LEEVILLE
LITTLE SPRING LAKE
MONTREAL RIVER
MOUNTAIN CHUTES
MOUNTAIN LAKE
SPRAY CREEK
SPRING CREEK

Index Volume	Listing	Report Volume	Part	Page
1	Barber Tp., Timiskaming	14	2	35
		16	2	36
		19	2	118
	Rocks	16	2	121
	Silver mining	18	1	48,125
	Wooded hills. See Mountain Lake			
	Elk Lake Silver Area			
	Discoveries	18	1	16
		18	2	1
	Maps, coloured with	18	1	
	Mining work (1908)	18	1	125-127
	(1909)	19	1	115,116
	(1910)	19	2	161-163
	(1911)	21	1	147,148
	(1912)	22	1	123,124
	(1913)	23	1	154,155
	(1914)	24	1	126,127
	(1915)	25	1	123
	Ores of	16	2	67
	Production (1910)	20	1	11
	Reports by Knight	16	2	117-127
		19	2	155-159

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
1	Montreal River, Timiskaming lake			
	Basin, drainage area	N.O.		96
	notes by Burwash	6		173-176
	Canoe route to Gowganda	18	2	3
	East and West branches	18	2	2-4
	Map of part	19	2	156
	Prospecting follows Cobalt discoveries	16	1	8
	photo of prospectors	19	2	164
	Silver - See Elk Lake			
	Mountain Chute, Montreal River	18	2	2
	Spring Creek, Speight tp.	16	2	127
2	Elk Lake Silver Area, Gowganda area			
	Barite in Nipissing diabase	29	3	64
	Operations (1916)	26		130,131
	Production (1921)	31	1	8
	(1923)	33	1	8
3	Montreal River Mining Div.			
	Gowganda mg. div. joined with	46	1	66
	Recorder's reports. See mining divs.			
	Silver production	47	1	32

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
4	Montreal River, L. Timiskaming			
	Silver mg.	59	2	92
5	Elk Lake Area, Tim.			
	Copper mg.	64	2	2
	Silver - cobalt prospect	63	2	68
6	Elk Lake Area, Tim.			
	Copper claims	67	2	7
	Silver mining	65	2	122
7	Accra Explorations Ltd.			
	Capital; officers; operations	73		117
	Elk Lake Area, Tim.			
	Silver mg. properties	71		119-124
		72		125-132
				123,124
8	Accra Expl. Ltd.			
	Willet & Barber Tps., Timiskaming Dist. report on Barnet Property	GR62		52

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
8	Elk Lake Area, Timiskaming Dist.			
	Geology of the area Report and maps 2150, 2151 and 2152 on, 1968 by B.E. MacKean	GR62		
	Mining and exploration activity	MP46		35
		MP50		44
	Silver/cobalt	GR62		22-55
				passim
		MRC10		340-366
	Elk Lake-Gowganda Area, Timiskaming Dist.			
	Mining and exploration activity	MP18		5
		MP25		4
		MP60		125
	Silver	MP60		125
	Elk Lake-Gowganda-Matachewan Area, Timiskaming Dist.			
	Mining and exploration activity	MP35		4
	Etwill Lake			
	Willet Tp., Timiskaming Dist.	GR62		13

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
9	Elk Lake Area, Timiskaming Dist. See also Elk Lake-Gowganda Area, Timiskaming Dist.			
	Report (quaternary) and map 5020 on, 1980 by M.A. Roed	NOEGTS 83		
	Silver	MP84		74
	Elk Lake-Gowganda Area, Timiskaming Dist.			
	Mining and exploration activity	MP64		78

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, District of Nipissing, Ontario	GSC Separate Report 1075 GSC Map 1076	 1:63 360
Collins, W.H.	1909	Montreal River District, Ontario	GSC Summary Report 1908	pp. 115-120
Collins, W.H.	1911	Montreal River District, Ontario	GSC Summary Report 1910	pp. 196-202
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	GSC Memoir 33 GSC Map 64A	 1:63 360
Cooke, H.C.	1918	Montreal River District, Northern Ontario	GSC Summary Report 1917, Part E	pp. 16-18
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data	OFR 5592	179 p.
Geological Survey of Canada	1956	Aeromagnetic Map, Elk Lake, Ontario	GSC Map 283G	1:63 360
Geological Survey of Canada	1988	Gravity-Bouguer Anomalies, Sudbury, Ontario and Quebec	GSC Map NL-17-GR(BA)	1:1 000 000
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury and Temiskaming Districts, Ontario, Geological Compilation Series	ODM Map 2046	1:253 440
Gupta, V.K., Wadge, D.R.	1980	Bouguer Gravity and Generalized Geological Map, Temagami-Englehart Area, NTS 31M/W, 41P/E, Timiskaming + 2AL Districts, Ontario	OGS Map P2296	1:100 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Gupta, V.K.	1981	Bouguer Gravity and Generalized Geological Map of Gogama-Gowganda Area, NTS 41P, Timiskaming and Sudbury Districts, Ontario	OGS Map P2481	1:100 000
Hornbrook, E.H.W., Friske, P.W.B.	1988	Regional Lake Sediment and Water Geochemical Reconnaissance Data, Gogama Area, Ontario	GSC OFR 1640	
Hunter and Assoc. Ltd.	1984	Peat and Peatland Evaluation of the New Liskeard Area, NTS 31M/12 41P/E, Timiskaming + 2 other Districts	OGS OFR 5486	3 volumes
Jolly, W.T.	1978	Metamorphic History of the Archean Abitibi Belt	GSC Paper 78-10	pp. 63-78
Kretschmar, U., Kretschmar, D.	1980	Talc, Magnesite and Asbestos Deposits in the Kirkland Lake-Timmins Area, NTS 31M, 32D, 41O, 41P, 42A, 42B, Timiskaming + 2AL Districts	OGS OFR 5310	
Kretschmar, U., Kretschmar, D.	1986	Talc, Magnesite and Asbestos Deposits in the Timmins-Kirkland Lake Area, Timiskaming and Cochrane Districts	OGS Study 28	
Kutina, Jan and Fabbri, Andrea	1971	Relationship of Structural Lineaments and Mineral Occurrences in the Abitibi Area of the Canadian Shield	GSP Paper 71-9	36 p.
Legun, A.	1984	Huronian Stratigraphy and Sedimentation in the Cobalt Area, NTS 31M/W + 41P, Ontario	OGS OFR 5508	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Long, D.G.F., Leslie, C.A.	1986	The Placer Gold Potential of the Early Aphebian Gowganda Formation along the Northern Margin of the Cobalt Embayment, Ontario, with Comments on Associated Concentrations of Silver and Copper	OGS OFR 5608	
Mansinha, L., Wilkinson, D.A.	1983	Grant No. 109: Interpretation of Gravity Data from New Liskeard, NTS 31M/W, 41P/E, Ontario	OGS OFR 5440	
Ministry of Natural Resources		Barber Township Claim Map	MNR Plan No. M. 208	1"=40 ch.
Ministry of Natural Resources	198.	Ontario Basic Map Sheets	MNR Maps 20 17 5500 52700 20 17 5600 52700 20 17 5500 52600 20 17 5600 52600	1:20 000
Ontario Geological Survey	1979	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Geoph-Geoch Maps 80372-80410	1:250 000
Parks, W.A.	1907	The Geology of a District from Lake Timiskaming Northward	GSC Summary Report 1904, Vol. XVI, pt. A	pp. 198-225
Pyke, D.R., Ayres, L.D., Innes, D.G.	1973	Timmins-Kirkland Lake Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts, Ontario	ODM Map 2205	1:253 440

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and or Report Pages
Redman, J.D., Strangway, D.W.	1986	Ontario Geoscience Research Grant Program, Grant No. 118, Surface Electromagnetic Mapping in Northern Ontario	OGS OFR 5615	
Reid, J.A.	1943	Mineral Resources of the Timiskaming Silver-Cobalt Area, Ontario	ODM Bulletin No. 134	
Roed, M.A.	1980	Elk Lake Area, NTS 41P/NE, Timiskaming District, Ontario	NOEGTS 83	
Roed, M.A., Hallet, D.R.	1980	NOEGTS Data Base Map, Elk Lake, NTS 41P/NE, Timiskaming District, Ontario	OGS Map 5020	1:100 000
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet + part of Ville Marie Sheet, NTS 41P, 31M/W Timiskaming and Sudbury Districts, Ontario	OGS Map p. 1514	1:250 000
Symons, D.T.A., Stupavsky, M.	1983	Grant No. 143: Analysis of Aeromagnetic Anomalies over Algoman-type Iron Formations	OGS OFR 5476	

Note No.	NOTES
	The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data. On the maps, only the areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown. No present or past producers. The township was closed to staking in 1978 due to the Bear Island Indian Caution.

ADDENDA

CONVERSION FACTORS

Conversion from SI to Imperial			Conversion from Imperial to SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	6.451 6	cm^2
1 m^2	10.763 9	square feet	1 square foot	0.092 903 04	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	16.387 064	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in cooperation with the Coal Association of Canada.

For further information please contact:

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(705)679-8558

MAP LEGENDS

A. FILES INDEX MAP

FILE AREAS **See pages 4-1,2 .... of text**

- ■ Reference number is always inside work area outlined. See listing in text pages.
- ☐ Small area of exploration data
- ☐ File covers whole township or area
- ☐

B. EXPLORATION DATA MAP

MINERAL OCCURRENCES: **See pages 3-1,2__ of text**

- ☐ Mineral occurrence at surface, with reference letter
- ☐ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ Mineralized float with reference letter
- ☐ Mineral occurrence encountered in drilling, with reference letter
- ☐

DRILLHOLES: **See pages 5-1,2__ of text**

- ☐ Location of single drillhole, with reference number
- ☐ Location of group of closely spaced drillholes, with reference number
- ■ Drillhole, exact location uncertain, with reference number
- ☐ Property with underground drillholes in this general area, with reference number
- ☐ Property with drillholes which have not been plotted on map, with reference number
- ☐ Reverse circulation drillhole, churn drilling, with reference number
- ☐

GEOCHEMICAL: **See pages 7-1,2....of text**

- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐

GEOPHYSICAL ANOMALIES

Airborne Surveys: See pages 6-1,2__ of text

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis definite, probable, sinuous
- ☐ AEM — Airborne electromagnetic anomaly Conductor axis Location of flight lines uncertain
- ☐ ARA — Airborne radiometric anomaly

Ground Surveys

- ☐ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly (VL - Vertical loop HL - Horizontal loop VLF - Very low freq., Turam, JEM Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly
- ☐

GEOCHRONOLOGICAL DATA: **See page 8 of text**

- ☐ Age dating material sampling site, with reference number
- ☐

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Rock quarry
- ☐ Adit
- ☐ Open pit
- ■ Sand and/or gravel pit
- ☐
- ☐

MAPS
NOT
FILMED

CARTES
OMISES